IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type:	Display
Manufacturer:	LG Electronics
Firmware Version:	N/A
Model(s):	37LC25R, 37LC2R, 37LC3R, 42LC25R, 42LC2R, 42LC3R, 42PC1R, 47LB2R, 50PC1R

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
2	1/11/2012	1.5.1	3.3.1	Added control for MLC 62.
1	5/4/07	1.0.9.3	2.2	Initial Version

Driver Notes:

- Driver is written using SET ID = 1. See manufacturer-supplied user manual for your monitor for instructions to set the ID to 1.
-When On Screen Display is turned ON, only power status is available to prevent screen flash.
-Auto Image is only available for RGB(PC) input.
-Using the RGB-PC or Component input, you select either 16:9 or 4:3 screen aspect ratio.
- Auto image function is only visible on the web page if input RGB(PC) is selected.
- PIP Input function is only visible on the web page if PIP is on.

Control Commands & States:

Aspect Ratio	4:3	16:9	Spectacle
	Zoom 1	Zoom 2	Original
	14:9	Full	
Audio Mute	Off/On		
Auto Image	Execute		
Input	AV1	AV2	AV3
	AV4	Component	RGB (DTV)
	RGB (PC)	Analog	S-Video
	HDMI1	HDMI2	
IR Remote	On	Off	
Low Power	On	Off	
On Screen Display	On	Off	
PIP Input	AV1	AV2	AV3
	AV4	Component	RGB
	HDMI1	HDMI2	Analog
	S-Video		
PIP Position	Top Left	Top Right	Bottom Left
	Bottom Right		
PIP/DW	Off	PIP	DW1
	DW2	POP	
Power Control	On	Off	
Video Mute	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Status Available:

Aspect Ratio	4:3	16:9	Spectacle
	Zoom 1	Zoom 2	Original
	14:9	Full	
Audio Mute	Off/On		
Connection Status	Connected	Disconnected	
Device Status	Normal	No Input	Off by Remote Control
	Off by Sleep Timer	Off by RS232	5V Down
	AC Down	Off by Fan Alarm	Off by Timer
	Off by Auto Off	Status Unavailable	
Input	AV1	AV2	AV3
	AV4	Component	RGB (DTV)
	RGB (PC)	Analog	S-Video
	HDMI1	HDMI2	
IR Remote	On	Off	
Low Power	On	Off	
On Screen Display	On	Off	
PIP Input	AV1	AV2	AV3
	AV4	Component	RGB
	HDMI1	HDMI2	Analog
	S-Video		
PIP Position	Top Left	Top Right	Bottom Left
	Bottom Right		
PIP/DW	Off	PIP	DW1
	DW2	POP	
Power Control	On	Off	
Video Mute	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		

MLC60 Series Supported Commands:

Aspect Ratio	4:3	16:9	Spectacle
	Zoom 1	Zoom 2	Original
	14:9	Full	
Audio Mute	Off/On		
Auto Image	Execute		
Input	AV1	AV2	AV3
	AV4	Component	RGB (DTV)
	RGB (PC)	Analog	S-Video
	HDMI1	HDMI2	
IR Remote	On	Off	
Low Power	On	Off	
On Screen Display	On	Off	
PIP Input	AV1	AV2	AV3
	AV4	Component	RGB
	HDMI1	HDMI2	Analog
	S-Video		
PIP Position	Top Left	Top Right	Bottom Left
	Bottom Right		
PIP/DW	Off	PIP	DW1
	DW2	POP	
Power Control	On	Off	
Video Mute	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Cable and Adapter Requirements:

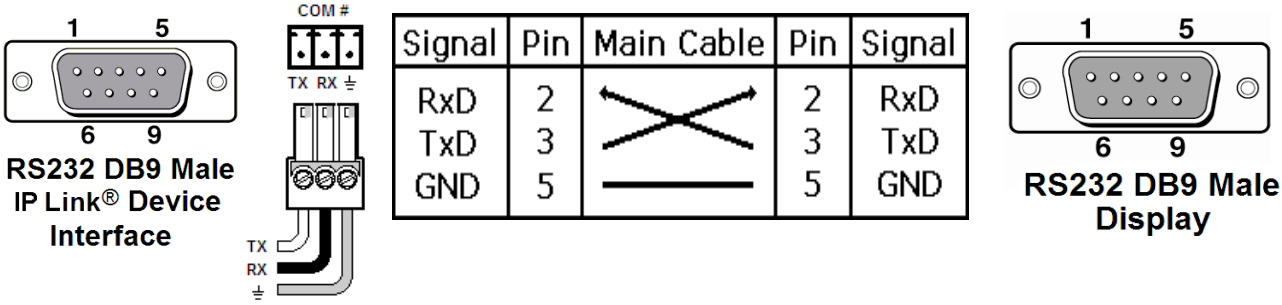
M/F RS-232 Null Modem Serial Cable
F/F Gender Changer (Extron Electronics P/N 10-438-10)

Notes for the Device:

Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Note: Captive screw connector may also be used as a serial connection.

General Notes: